Electrical Power & Energy Systems

Index to

Volume 6: 1984

Author

Abed, E H and Varaiya, P P Nonlinear oscillations in power systems 37
Allam, M F Fast exact state-estimation algorithm based on quadratic equations using sparse matrix inversion 79
Bialek, J Modified power-to-current measurement transformation for power system state estimation 195
Brucoli, M, Pugliese, P, Torelli, F and Trovato, M Decentralized two-level excitation control of multimachine power systems 230
Cafaro, G, Pugliese, P and Vacca, F Parallel solution of torn networks 131
Chan, S M Modal controllability and observability of power-system models 83
Di Caprio, U Status of power-system research at ENEL 112
Ekwue, A O Interactive stochastic security enhancement algorithm 51
Ekwue, A O Investigations of the transmission system expansion problem 139
Fakruddin, D B, Parthasarathy, K, Jenkins, L and Hogg, B W Application of Haar functions for transmission line and transformer differential protection 169
Gönen, T and Thompson, J C Computerized interactive model approach to electrical distribution system planning 55
Guruprasada Rau, V and Krishnamoorthy, N Operational transform technique for generating Lyapunov functions 24
Hsu, Y Y and Chan, W C Optimal variable structure controller for the load-frequency control of interconnected hydrothermal power systems 221
Indulkar, C S, Kumar, P and Kothari, D P Sensitivity studies of the power-line carrier channel with respect to the parameters of the coupling equipment 67
Iliev, S Method for dynamic behaviour control of electric power systems 212
Jovanović, S M One-step decomposition method for numerical inegration of short- and long-term dynamics 3
Lidgate, D and Khalid, B M N Unit commitment in a thermal generation system with multiple pumped-storage power stations 101
Lukic, V P and Prole, A Optimal connection of controlled HVDC to AC power system 150
Mohadjer, M and Johnson, C D Load-frequency control with disturbance accommodation 143
Nishida, S and Takeda, S Derivation of equivalents for dynamic security assessment 15
Osheba, S M and Hogg, B W Equivalent turbogenerator model for design of multivariable controllers in multi-machine systems 89
Pai, M A and Adgaonkar, R P Electro-mechanical distance measure for decomposition of power systems 249
Rodríquez, A, de la Rosa, R, Wu, C Y, Cheng, T C and Dommel, H W Dynamic insulation in transmission-line design 203
Sa Da Costa, J M G and Munro, N Pattern recognition in power-system security 31
Sanghvi, A P and Shavel, I H Incorporating explicit loss-of-load probability constraints in mathematical programming models for power systems capacity planning 239
Sekine, Y, Hatata, M and Yoshida, T Recent advances in digital protection 181
Singh, C, Asgarpoor, S and Patton, A D Markov method for generating capacity reliability evaluation including operating considerations 161
Sirisena, H R and Brown, E P M Convergence analysis of weighted least-squares and fast decoupled weighted least-squares state estimation 75
Thukaram, D, Parthasarathy, K and Prior, D L Improved algorithm for optimum reactive power allocation 72
Yadav, R A and Verma, V K Damping of subsynchronous oscillations in EHV series-compensated ACDC transmission system 44

Title

Application of Haar functions for transmission line and transformer differential protection **Fakruddin, D B, Parathasarathy, K, Jenkins, L and Hogg, B W** 169
Computerized interactive model approach to electrical distribution system planning **Gönen, T and Thompson, J C** 55
Convergence analysis of weighted least-squares and fast decoupled weighted least-squares estimation **Sirisena, H R and Brown, E P M** 75
Damping of subsynchronous oscillations in EHV series-compensated ACDC transmission system **Yadav, R A and Verma, V K** 44
Decentralized two-level excitation control of multimachine power systems **Brucoli, M, Pugliese, P, Torelli, F and Trovato, M** 230
Derivation of equivalents for dynamic security assessment **Nishida, S and Takeda, S** 15
Dynamic insulation in transmission-line design **Rodríquez, A, de la Rosa, R, Wu, C Y, Cheng, T C and Dommel, H W** 203
Electromechanical distance measure for decomposition of power systems **Pai, M A and Adgaonkar, R P** 249
Equivalent turbogenerator model for design of multivariable controllers in multi-machine systems **Osheba, S M and Hogg, B W** 89
Fast exact state-estimation algorithm based on quadratic equations using sparse matrix inversion **Allam, M F** 79
Improved algorithm for optimum reactive power allocation **Thukaram, D, Parthasarathy, K and Prior, D L** 72
Incorporating explicit loss-of-load probability constraints in mathematical programming models for power system capacity planning **Sanghvi, A P and Shavel, I H** 239
Interactive stochastic security enhancement algorithm **Ekwue, A O** 51
Investigations of the transmission system expansion problem **Ekwue, A O** 139
Load-frequency control with disturbance accommodation **Mohadjer, M and Johnson, C D** 143
Markov method for generating capacity reliability evaluation including operating considerations **Singh, C, Asgarpoor, S and Patton, A D** 161
Method for dynamic behaviour control of electric power systems **Iliev, S** 212
Modal controllability and observability of power-system models **Chan, S M** 83
Modified power-to-current measurement transformation for power system state estimation **Bialek, J** 195
Nonlinear oscillations in power systems **Abed, E H and Varaiya, P P** 37
One-step decomposition method for numeri cal integration of short- and long-term dynamics **Jovanović, S M** 3
Operational transform technique for generating Lyapunov functions **Guruprasada Rau, V and Krishnamoorthy, N** 24
Optimal connection of controlled HVDC to AC power system **Lukic, V P and Prole, A** 150
Optimal variable structure controller for the load-frequency control of interconnected hydrothermal power systems **Hsu, Y Y and Chan, W C** 221
Parallel solution of torn networks **Cafaro, G, Pugliese, P and Vacca, F** 131
Pattern recognition in power-system security **Sa Da Costa, J M G and Munro, N** 31
Recent advances in digital protection **Sekine, Y, Hatata, M and Yoshida, T** 181
Sensitivity studies of the power-line carrier channel with respect to the parameters of the coupling equipment **Indulkar, C S, Kumar, P and Kothari, D P** 67
Status of power-system research at ENEL **Di Caprio, U** 112
Unit commitment in a thermal generation system with multiple pumped-storage power stations **Lidgate, D and Khalid, B M N** 101

Subject

CALENDAR 64, 128, 192, 256
PUBLICATIONS
An introduction to power electronics **Bird, B M and King, K G** 63
High voltage direct current transmission **Arrillaga, J** 255
High voltage – measurement, testing and design **Gallagher, T J and Pearmain, A J** 127
Z-transform electromagnetic transient analysis with high-voltage networks **Humpage, W D** 63